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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		on of Transmittal of International Search Report A/220) as well as, where applicable, item 5 below.
OP/4-32696/USN	ACTION	rvzzo) as wen as, where applicable, henr 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/EP 03/10725	26/09/2003	27/09/2002
Applicant		
NOVARTIS AG		·
This International Search Report has bee according to Article 18. A copy is being tr		Authority and is transmitted to the applicant
		•
This International Search Report consists It is also accompanied by	of a total of sheets. a copy of each prior art document cited in	this report.
Basis of the report		
a. With regard to the language, the language in which it was filed, un	international search was carried out on the less otherwise indicated under this item.	basis of the international application in the
the international search v Authority (Rule 23.1(b)).	vas carried out on the basis of a translation	of the international application furnished to this
b. With regard to any nucleotide ar was carried out on the basis of the	nd/or amino acid sequence disclosed in the	e international application, the international search
1 ,	onal application in written form.	
X filed together with the inte	ernational application in computer readable	form.
furnished subsequently to	this Authority in written form.	
furnished subsequently to	this Authority in computer readble form.	
	bsequently furnished written sequence listin is filed has been furnished.	g does not go beyond the disclosure in the
the statement that the inf furnished	ormation recorded in computer readable for	m is identical to the written sequence listing has been
2. X Certain claims were fou	nd unsearchable (See Box I).	
3. Unity of invention is lac	king (see Box II).	
4. With regard to the title,		
X the text is approved as so	ubmitted by the applicant.	
the text has been establis	shed by this Authority to read as follows:	
	•	
5. With regard to the abstract,		
i —	ibmitted by the applicant.	
the text has been establis		nority as it appears in Box III. The applicant may, report, submit comments to this Authority.
6. The figure of the drawings to be pub	lished with the abstract is Figure No.	
as suggested by the appl	icant.	None of the figures.
because the applicant fai	led to suggest a figure.	
because this figure better	characterizes the invention.	



International Application No
PCT/EP 03/10725

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61P27/02 A61K48/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

INSPEC, EPO-Internal, BIOSIS, MEDLINE, WPI Data, PAJ, PASCAL, EMBASE, CHEM ABS Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 067971 A (BRAZZELL ROMULUS KIMBRO; CAMPOCHIARO PETER ANTHONY (US); NOVARTIS) 6 September 2002 (2002-09-06) Gene therapy of retinal and choroidal diseases (e.g. neovascularization) using a viral vector encoding anti-angiogenic factors, such as endostatin, angiostatin, soluble VEGFR and the like. page 1-2 page 4 page 11-12 page 14 examples 1-9 -/	1-5,9,

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the international filing date L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 18 February 2004	Date of mailing of the international search report 04/03/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2. NL — 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Domingues, H



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	ontinuation) DOCUMENTS CONSIDERED TO BE RELEVANT			
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	DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 2002 DEMETRIADES A -M M ET AL: "Periocular Injection of an Adenoviral Vector Expressing the Extracellular Portion of Aascular Endothelial Growth Factor Receptor-1 (Adsflt.10) Inhibits Choroidal Neovascularization (CNV)." Database accession no. PREV200300165348 XP002269944 abstract & ARVO ANNUAL MEETING ABSTRACT SEARCH AND PROGRAM PLANNER, vol. 2002, 2002, page Abstract No. 3916 Annual Meeting of the Association For Research in Vision and Ophthalmology;Fort Lauderdale, Florida, USA; May 05-10, 2002	1,6-8		
	DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 2002 GEHLBACH P L ET AL: "Periocular Adenovirus-mediated Delivery of Pigment Epithelium-derived Factor Inhibits Choroidal Neovascularization." Database accession no. PREV200300165678 XP002269945 abstract & ARVO ANNUAL MEETING ABSTRACT SEARCH AND PROGRAM PLANNER, vol. 2002, 2002, page Abstract No. 4595 Annual Meeting of the Association For Research in Vision and Ophthalmology; Fort Lauderdale, Florida, USA; May 05-10, 2002	1,6-8		
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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	TAKAHASHI TADASHI ET AL: "Inhibition of experimental choroidal neovascularization by overexpression of tissue inhibitor of metalloproteinases-3 in retinal pigment epithelium cells" AMERICAN JOURNAL OF OPHTHALMOLOGY, vol. 130, no. 6, December 2000 (2000-12), pages 774-781, XP002269941 ISSN: 0002-9394 the whole document	1,6-8
X	LAI CHOOI-MAY ET AL: "Inhibition of angiogenesis by adenovirus-mediated sFlt-1 expression in a rat model of corneal neovascularization" HUMAN GENE THERAPY, vol. 12, no. 10, 1 July 2001 (2001-07-01), pages 1299-1310, XP002269942 ISSN: 1043-0342 the whole document	1,6-8
X	LAI C C ET AL: "Suppression of choroidal neovascularization by adeno-associated virus vector expressing angiostatin." INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE. UNITED STATES SEP 2001, vol. 42, no. 10, September 2001 (2001-09), pages 2401-2407, XP002269943 ISSN: 0146-0404 the whole document	1,6-8
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Υ	MORI KEISUKE ET AL: "Inhibition of choroidal neovascularization by intravenous injection of adenoviral vectors expressing secretable endostatin" AMERICAN JOURNAL OF PATHOLOGY, PHILADELPHIA, PA, US, vol. 159, no. 1, July 2001 (2001-07), pages 313-320, XP002205626 ISSN: 0002-9440 the whole document	1-12
E	WO 03 080648 A (CAMPOCHIARO PETER A; HAUSWIRTH WILLIAM W (US); BERNS KENNETH I (US) 2 October 2003 (2003-10-02) the whole document	1-8



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